

**SITE ASSESSMENT REPORT
FOR
THE PLASTECH ENGINEERED PRODUCTS, INC., SITE
ANDOVER, ASHTABULA COUNTY, OHIO**

NPL STATUS: NON-NPL

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
Region V
25089 Center Ridge Road
Westlake, OH 44145

Prepared by:

WESTON SOLUTIONS, INC.
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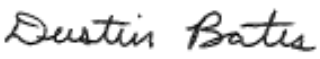
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February 11, 2013

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LIST OF ABBREVIATIONS AND ACRONYMS

Andover Industries	Andover Industries BMPI
CFR	<i>Code of Federal Regulations</i>
ERB	Emergency Response Branch
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
Ohio EPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
PCB	Polychlorinated biphenyl
Plastech	Plastech Engineered Products, Inc.
ppm	Part per million
START	Superfund Technical Assessment and Response Team
SU	Standard unit
SVOC	Semivolatile organic compound
TCLP	Toxicity Characteristic Leaching Procedure
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WESTON	Weston Solutions, Inc.

1. INTRODUCTION

The United States Environmental Protection Agency (U.S. EPA) Region V Emergency Response Branch (ERB) tasked the Weston Solutions, Inc. (WESTON[®]), Superfund Technical Assessment and Response Team (START) to assist in performing a site assessment at the former Plastech Engineered Products, Inc. (Plastech), site in Andover, Ashtabula County, Ohio (the site). Specifically, under Technical Direction Document No. S05-0001-1208-008, U.S. EPA tasked START to inventory abandoned containers; collect samples of wastes in various drums, small containers, an in-floor sump, a transformer, and soil for laboratory analysis; and document and characterize the potential for imminent and substantial site-related threats to the public health or welfare of the United States or the environment.

On August 29, 2012, START personnel mobilized to the site and conducted the site assessment tasks under the direction of On-Scene Coordinator (OSC) Lori Muller.

This site assessment report is organized into the following sections:

- **Section 1, Introduction** –Briefly describes the objectives of the site assessment and the site assessment report organization
- **Section 2, Site Background** – Details the site description and history
- **Section 3, Site Assessment Activities** – Discusses methods used and activities conducted during the site assessment
- **Section 4, Analytical Results** – Discusses analytical results for samples collected during the site assessment
- **Section 5, Threats to Human Health and the Environment** – Identifies conditions at the site that warrant a removal action under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP)
- **Section 6, Summary and Conclusions** – Lists potential removal action activities and conditions that may warrant additional evaluation at the site

2. SITE BACKGROUND

This section discusses the site description and history.

2.1 SITE DESCRIPTION

The site is located in a mixed residential and rural area at 205 Maple Street Extension in Andover, Ashtabula County, Ohio (**Figure 1**). The site coordinates are 41.61278 degrees North latitude and 80.56873 degrees West longitude. The site occupies about 20 acres and contains a former manufacturing building of approximately 274,000 square feet and a southern parking lot (**Figure 2**). The site property includes two parcels of land zoned for light industrial land use identified as parcels No. 02-013-20-007-00 and 02-013-20-007-01 by the Ashtabula County Auditor's Office.

Site access is unrestricted and signs of trespassing and vandalism were noted during site inspections conducted by the Ohio EPA from 2009 through 2012. The site is bounded by a wooded area to the north and east, a creek and residential properties to the south, industrial and residential properties to the west (**Figure 2**). According to records from the Ohio Environmental Protection Agency (Ohio EPA), approximately 51 people reside within 0.5 mile of the site and 228 people reside within 1 mile of the site.

The Village of Andover operates a public water system supplying approximately 1,150 residents. The public water system draws from seven groundwater wells pumping approximately 186,000 gallons per day¹. According to the Ohio EPA, the site is located within a Source Water Protection Area for the Village of Andover. The Source Water Protection Area is based on computer modeling of the source area that supplies groundwater to public drinking water wells within a period of 1 to 5 years of estimated infiltration and groundwater migration through the source aquifer. According the Ohio EPA, the public groundwater supply in Andover, Ohio, is highly susceptible to contamination because the source aquifer has a shallow depth to water of 12 to 25 feet below ground surface, the aquifer is not well-confined from surface infiltration, and potential contaminant sources are located in the Source Water Protection Area.

¹ Ohio EPA Division of Drinking and Groundwaters, "Drinking Water Source Assessment," 2006.

The unnamed creek along the southern site boundary flows east toward Pymatuning Reservoir 1.7 miles downstream of the site. Pymatuning Reservoir is a man-made lake of approximately 26.7 square miles along the border between Ohio and Pennsylvania. Pymatuning Reservoir is part of the Shenango River watershed and is surrounded by Pymatuning State Parks in Ohio and Pennsylvania. Pymatuning Reservoir also serves as a local public water supply for residents in Ohio and Pennsylvania.

2.2 SITE HISTORY

The site formerly manufactured automotive body parts by plastic injection molding and painting processes. Andover Industries BMPI (Andover Industries) operated the site until it filed for bankruptcy in October 2004. In 2005, Plastech purchased the site in a bankruptcy court auction and resumed manufacturing processes. In February 2008, manufacturing operations at the site ceased after Plastech filed for Chapter 11 bankruptcy. In 2009, Trusted Partners, LLC, purchased assets formerly owned by Plastech.

Andover Industries and Plastech both were large-quantity generators of hazardous wastes. In 1999, Andover Industries generated 194.56 tons of regulated hazardous wastes. In 2007, Plastech generated 222.77 tons of regulated hazardous wastes. The wastes generated at the site included spent solvent, waste paint, spent spray booth filters, spray booth coating waste, and used oil. The wastes were characterized by the generator as D001 (ignitable), D005 (barium), D035 (methyl ethyl ketone), and F003 and F005 (spent non-halogenated solvents).

On February 11, 2009, the Ohio EPA inspected and documented containerized wastes at the site. Personnel who had reportedly purchased some material assets at the site were dismantling equipment for sale or scrap.

On April 26, 2010, the Ohio EPA inspected the site and documented suspected regulated wastes in abandoned containers.

On June 15, 2010, the Ohio EPA issued a Notice of Violation to the former owner of Plastech and the bankruptcy liquidating officer for failure to remove and dispose of all regulated wastes before operations ceased at the site. No response was received.

On June 13, 2012, the Ohio EPA conducted a follow-up inspection of the site and documented the following conditions:

- Eight 55-gallon drums with unknown contents, one labeled “Corrosive”
- Twenty 5-gallon pails with unknown contents, one labeled “Oxidizer”
- Three partially dismantled transformers, two of which were leaking
- Two in-floor sumps and trench drains containing paint and solvent wastes
- Large piles of surface debris containing wooden pallets, plastic debris, and unknown solid wastes
- Fluorescent light bulbs throughout the building
- Unrestricted site access and evidence of vandalism inside the building

On August 7, 2012, the Ohio EPA referred the site to the U.S. EPA for consideration of a time-critical removal action.

3. SITE ASSESSMENT ACTIVITIES

The OSC requested the site assessment tasks to evaluate the potential for imminent and substantial site-related threats to the public health or welfare of the United States or the environment. Site assessment tasks included an initial site walkthrough and container inventory (Section 3.1) and sampling activities (Section 3.2). **Appendix A** provides a photographic log of site conditions and site assessment activities.

3.1 INITIAL WALKTHROUGH AND CONTAINER INVENTORY

On August 29, 2012, OSC Lori Muller and three START members arrived at the site to conduct the initial site walkthrough and container inventory. During the initial walkthrough U.S. EPA and START personnel collected air monitoring readings using a MultiRAE Plus five-gas monitor, screened the building interior using a Ludlum Model 19 Micro-R radiation detector, and collected written and photographic documentation of site conditions. Site access was unsecured, and signs of trespassing and vandalism were observed both inside and outside the building.

The walkthrough and container inventory activities were conducted throughout all rooms within the former manufacturing building, outbuildings, and outdoor areas of the property. To conduct

the container inventory, for consistency, START used numeric designations for eight site areas (Areas 1 through 8) used by the Ohio EPA during previous inspections. **Figure 3** shows the inventory areas, which are briefly described below:

- Area 1** – former paint mixing area (3,860 square feet in area) in the northwest corner of the former manufacturing building with in-floor sumps and trenches
- Area 2** – small (1,670 square feet) open courtyard between structural additions of the former manufacturing building; includes a small storage outbuilding and a caged electrical transformer on a concrete pad
- Area 3** – large (40,000 square feet) raw material warehouse and storage area at the northeast corner of the former manufacturing building
- Area 4** – small (780 square feet) outbuilding near the southern property line filled with parts and small containers
- Area 5** – outdoor transformer cage and concrete pad (1,450 square feet) at the southeastern corner of the former manufacturing building
- Area 6** – large (19,000 square feet) centrally-located room that formerly housed hydraulic plastics molding equipment; includes in-floor sumps and trenches for hydraulic oil
- Area 7** – small (1,350 square feet) storage room in the north side of the former manufacturing building containing drums
- Area 8** – former paint line loading area and finishing room (14,800 square feet) in the western side of the former manufacturing building

Table 1 provides an inventory of containerized wastes at the site. A total of 23 drums containing an estimated total of 437 gallons of abandoned wastes were documented at the site. All drums were stored inside the building, most in Areas 3, 6, and 7.

A total of 40 small containers were documented at the site. In Area 4, one small container had a “Corrosive” label, and two small containers had “Oxidizer” labels. Area 1 contained three in-floor sumps and trenches containing suspected paint sludge, and Area 6 contained in-floor trenches containing liquid oil wastes. Four large electrical transformers in Areas 2 and 5 containing a maximum total of 1,200 gallons of transformer oil were observed at the site. In Area 5, surface soil, vegetation and the concrete pad around the transformers were coated with liquid oil, suggesting that vandals had drained transformer oil onto the ground surface. The volume of oil remaining inside each transformer was not confirmed, and the maximum capacity of each transformer was estimated.

Air monitoring readings inside the building remained at background levels throughout the initial site walkthrough. Micro-R radiation detector readings inside the building were consistently two to four times higher than background levels in the southern parking lot, which ranged from 4 to 6 micro-Roentgens. The slightly-elevated readings inside the former manufacturing building were consistent throughout the building and not specifically elevated near particular containers or rooms. Some manufacturers of automotive plastics or sheet molding compounds use equipment with a neutron-emitting source (such as americium-241 with beryllium) to monitor thicknesses of plastic products for quality control. However, no radiological sources were positively identified during the walkthrough. If a small neutron-emitting radiological source was abandoned inside the building it is unlikely that readings collected with the Micro-R would be consistent throughout the building.

3.2 SAMPLING ACTIVITIES

On August 29, 2012, U.S. EPA and START members donned Level B personal protective equipment and collected 7 samples and 3 duplicates from three drums, one small container, one in-floor sump, one transformer, and soil near the base of the transformer. The table below summarizes the sample identification numbers, matrices, source containers, field screening results, and requested analyses. **Figure 3** shows the sampling locations.

Sample No.	Matrix	Container and Contents	Field Screening Results	Requested Analyses
PL-D01-082912	Liquid	Drum D01 in Area 7, "Corrosive" label, blue liquid	VOCs = 51.2 ppm pH = 14 SUs	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs
PL-D01-082912-DP	Liquid	Duplicate of PL-D01-082912	VOCs = 51.2 ppm pH = 14 SUs	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs
PL-D02-082912	Solid	Drum D02 in Area 7, white grease	None	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs
PL-D03-082912	Liquid	Drum D03 in Area 6, oil waste	None	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs, PCBs
PL-P01-082912	Liquid	Small container P01 in Area 4, "Corrosive" label, yellow liquid	VOCs = 18.3 ppm pH = 11 SUs	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs

Sample No.	Matrix	Container and Contents	Field Screening Results	Requested Analyses
PL-S01-082912	Liquid	Sump S01 in Area 1, viscous synthetic compound, strong solvent odor	VOCs = 398 ppm	Flashpoint, pH, TCLP metals, TCLP VOCs, TCLP SVOCs, PCBs
PL-T01-082912	Liquid	Transformer T01 in Area 5	None	PCBs
PL-T01-082912-DP	Liquid	Duplicate of PL-D01-082912	None	PCBs
PL-I01-082912	Soil	Surface soil in Area 5	None	PCBs
PL-I01-082912-DP	Soil	Duplicate of PL-I01-082912	None	PCBs

Notes:

PCB = Polychlorinated biphenyl

ppm = Part per million

TCLP = Toxicity Characteristic Leaching Procedure

SU = Standard unit

SVOC = Semivolatile organic compound

VOC = Volatile organic compound

A sample also was collected from a 5-gallon polyethylene bucket in Area 4 with an “Oxidizer” label. However, it was observed that the top of the bucket still was factory-sealed. The bucket contained solid white pellets that were transferred into a 4-ounce glass jar labeled PL-P02-082912. Because the contents were virgin product, the sample was not sent to the designated laboratory for analysis but instead was delivered to the U.S. EPA office in Westlake, Ohio, for identification using a Smiths Detection HAZMAT ID 360 and an Ahura FirstDefender.

Each sample was transferred from the source container into labeled glass jars using a dedicated, disposable coliwasa tube or scoop. Sample containers were wiped with paper towels and packaged in a cooler with ice.

4. ANALYTICAL RESULTS

On August 30, 2012, all samples were delivered under chain of custody by a courier to the designated laboratory, TestAmerica Laboratories, Inc., in North Canton, Ohio. On September 19, 2012, preliminary analytical results were transmitted electronically to the OSC. A START chemist reviewed the laboratory analytical data and produced a data validation report (**Appendix B**). All laboratory results were deemed suitable for use after review.

Samples were analyzed at the designated laboratory by one or more of the following methods:

- Flashpoint using U.S. EPA SW846 Method 1010
- Corrosivity (pH) using U.S. EPA SW846 Method 9041A
- TCLP metals using U.S. EPA SW846 Methods 6010C and 7470A
- TCLP VOCs using U.S. EPA SW846 Method 8260B
- TCLP SVOCs using U.S. EPA SW846 Method 8270C
- PCBs using U.S. EPA SW846 Method 8082

Tables 2 and 3 provide the analytical results and applicable regulatory limits. Analytical results for flashpoint, corrosivity, TCLP metals, TCLP VOCs, and TCLP SVOCs were compared to the Characteristics of Hazardous Waste limits at Title 40 of the *Code of Federal Regulations* (CFR) Part 261, Subpart C. Analytical results for PCBs were compared to the Toxic Substances Control Act disposal limit of 50 milligrams per kilogram (mg/kg) at 40 CFR Part 761. The following sections discuss the analytical results for each type of container sampled.

4.1 DRUM SAMPLING ANALYTICAL RESULTS

Table 2 provides the drum sample analytical results. Liquid sample PL-D01-082912 and duplicate sample PL-D01-082912-DP were analyzed for flashpoint, corrosivity (pH), TCLP metals, TCLP VOCs, and TCLP SVOCs. The pH results for both samples were 14 SUs. According to 40 CFR 261.22(a)(1), the wastes exhibit the characteristic of corrosivity. All other results for this sample and duplicate were below the respective reporting limits or applicable regulatory limits.

Solid sample PL-D02-082912 was analyzed for flashpoint, corrosivity (pH), TCLP metals, TCLP VOCs, TCLP SVOCs, and TCLP metals. All results for this sample were below the respective reporting limits or applicable regulatory limits.

Liquid sample PL-D03-082912 was analyzed for flashpoint, corrosivity (pH), TCLP metals, TCLP VOCs, TCLP SVOCs, and PCBs. TCLP lead was detected at 8.9 milligrams per liter (mg/L), which exceeds the toxicity characteristic limit for lead of 5.0 mg/L. All other results for this sample were below the respective reporting limits or applicable regulatory limits.

4.2 SMALL CONTAINER SAMPLING ANALYTICAL RESULTS

Table 3 provides the small container sample analytical results. Liquid sample PL-P01-082912 was analyzed for flashpoint, corrosivity (pH), TCLP metals, TCLP VOCs, and TCLP SVOCs. All results for this sample were below the respective reporting limits or applicable regulatory limits.

Solid sample PL-P02-082912 was identified using a Smiths Detection HazMatID 360 and an Ahura FirstDefender. Both units identified the sample material as 1,3 dichloro-5,5 dimethylhydantoin, with a trade name of Daktin. The material is a water-reactive, combustible solid that easily oxidizes, is reactive with xylene, and can produce toxic fumes.

4.3 IN-FLOOR SUMP SAMPLING ANALYTICAL RESULTS

Table 3 provides the sump sample analytical results. Liquid sample PL-S01-082912 was analyzed for flashpoint, corrosivity (pH), TCLP metals, TCLP VOCs, TCLP SVOCs, and PCBs. All results for this sample were below the respective reporting limits or applicable regulatory limits.

4.4 TRANSFORMER SAMPLING ANALYTICAL RESULTS

Table 3 provides the transformer sample analytical results. Liquid sample PL-T01-082912 and duplicate sample PL-T01-082912-DP were analyzed for PCBs. Aroclor 1260 was detected at 3.9 mg/kg in sample PL-T01-082912 and duplicate PL-T01-082912-DP. These results are below the Toxic Substances Control Act regulatory limit of 50 parts per million for electrical transformers.

4.5 SOIL SAMPLING ANALYTICAL RESULTS

Table 3 provides the soil sample analytical results. Soil sample PL-I01-082912 and duplicate sample PL-I01-082912-DP were analyzed for PCBs. Aroclor 1260 was detected in soil sample PL-I01-082912 at a concentration of 0.43 mg/kg and in duplicate PL-I01-082912-DP at a concentration of 0.83 mg/kg. These results are below the State of Ohio Generic Direct-Contact regulatory limit of 18 mg/kg for soil on industrial and commercial properties.

5. THREATS TO HUMAN HEALTH AND THE ENVIRONMENT

Factors to be considered in determining the appropriateness of a potential removal action at a site are delineated in the NCP at 40 CFR 300.415(b)(2). A summary of the factors applicable to the site is presented below.

- **Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances or pollutants or contaminants**

Uncontrolled wastes, including hazardous wastes, were documented during the site assessment at the former Plastech Engineered Products, Inc., site. Many waste containers were in poor condition, with signs of leakage or spillage on nearby floor surfaces inside the building. Oil-stained surface soil and vegetation were observed surrounding three electrical transformers outside the building.

During the site assessment, signs of unauthorized access to the site property and building were observed. Fencing at the southern driveway entrance and doorways to the building were unlocked or open. Several doorways and glass windows to the building had been damaged by vandalism. Other signs of vandalism were observed around the building, including graffiti, electrical transformer oil leaks onto the ground surface, and damage to electrical wiring in the building from unauthorized metal scrapping activities.

Within a 0.5-mile-radius of the site are 51 residents, one elementary school, and one public library. Pymatuning Valley Middle and High Schools also are located 0.65 mile west of the site.

The Village of Andover operates a public water system supplying approximately 1,150 residents. According to the Ohio EPA, the Plastech site is located within a Source Water Protection Area for the Village of Andover. The public groundwater supply in Andover, Ohio, is highly susceptible to contamination because the source aquifer has a shallow depth to water of 12 to 25 feet below ground surface, the aquifer is not well-confined from surface infiltration, and potential contaminant sources are located in the Source Water Protection Area.

An unnamed creek along the southern site boundary flows east toward Pymatuning Reservoir, a man-made lake of approximately 26.7 square miles along the border between Ohio and Pennsylvania. Pymatuning Reservoir is part of the Shenango River watershed and is surrounded by Pymatuning State Parks in Ohio and Pennsylvania. Pymatuning Reservoir serves as a local public water supply for residents in Ohio and Pennsylvania. Any release from the site could impact local groundwater, the nearby creek, and Pymatuning Reservoir.

There is a risk of accidental release of uncontrolled hazardous wastes from the site based on the following conditions observed during the site assessment: the poor condition of containers, unrestricted site access, signs of vandalism inside and outside the building, and the close proximity of surface waterways northeast and south of the site.

Uncontrolled wastes at the site could be released to soil and groundwater, the atmosphere, and nearby surface waterways.

- **Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release**

During the site assessment, hazardous and unknown wastes were documented in drums inside the former manufacturing building. Drums and small containers with corrosive (D002) and oxidizer (D003) labeling were found at the site. Site assessment analytical results confirmed that containers with corrosive labels contained alkaline hazardous wastes exhibiting the characteristic of corrosivity (D002).

One drum in Area 6 contained used oil that exceeded the toxicity characteristic for lead (D008). Used oil was also observed on nearby floor surfaces and within in-floor sumps and trench drains in Area 6. An estimated total of 217 gallons of used oil was documented in containers and in-floor sumps and trenches at the site, not including oil in electrical transformers.

Area 1 formerly housed paint mixing processes where paint and solvents characterized as F-listed hazardous wastes (F003, F005) were generated. During the site assessment, liquid and sludge paint was observed within in-floor sumps and trenches in Area 1. Strong organic vapor odors and field screening readings near 400 ppm total VOCs were recorded during sampling activities. Directional flow was not observed in the sumps and trenches, and it is unknown whether these drains are a closed network. Spent spray booth filters were also observed inside a partially-dismantled former abatement system outside the northern side of the building.

Intact and broken fluorescent light ballasts were observed within the building. Fluorescent light ballasts often contain mercury at concentrations exceeding the TCLP limit of 0.2 mg/L and therefore are considered universal wastes by the U.S. EPA.

- **Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released**

Several doorways and glass windows to the former manufacturing building are damaged. Many containers were in poor or damaged condition and are exposed to a wide range of ambient temperatures throughout the year because the building is unheated.

Weather conditions such as heavy rainfall, high winds, snow melt, and flooding could infiltrate the building and further degrade waste containers or increase the likelihood of off-site migration of hazardous wastes.

- **The availability of other appropriate federal or state response mechanisms to respond to the release**

According to the Ashtabula County Auditor's Office, the site parcels still are owned by Plastech, which filed for Chapter 11 bankruptcy in February 2008. The Ohio EPA referred the site to the U.S. EPA ERB because of the lack of a responsive potentially responsible party and the lack of funds sufficient to properly characterize and dispose of wastes at the site.

6. SUMMARY AND CONCLUSIONS

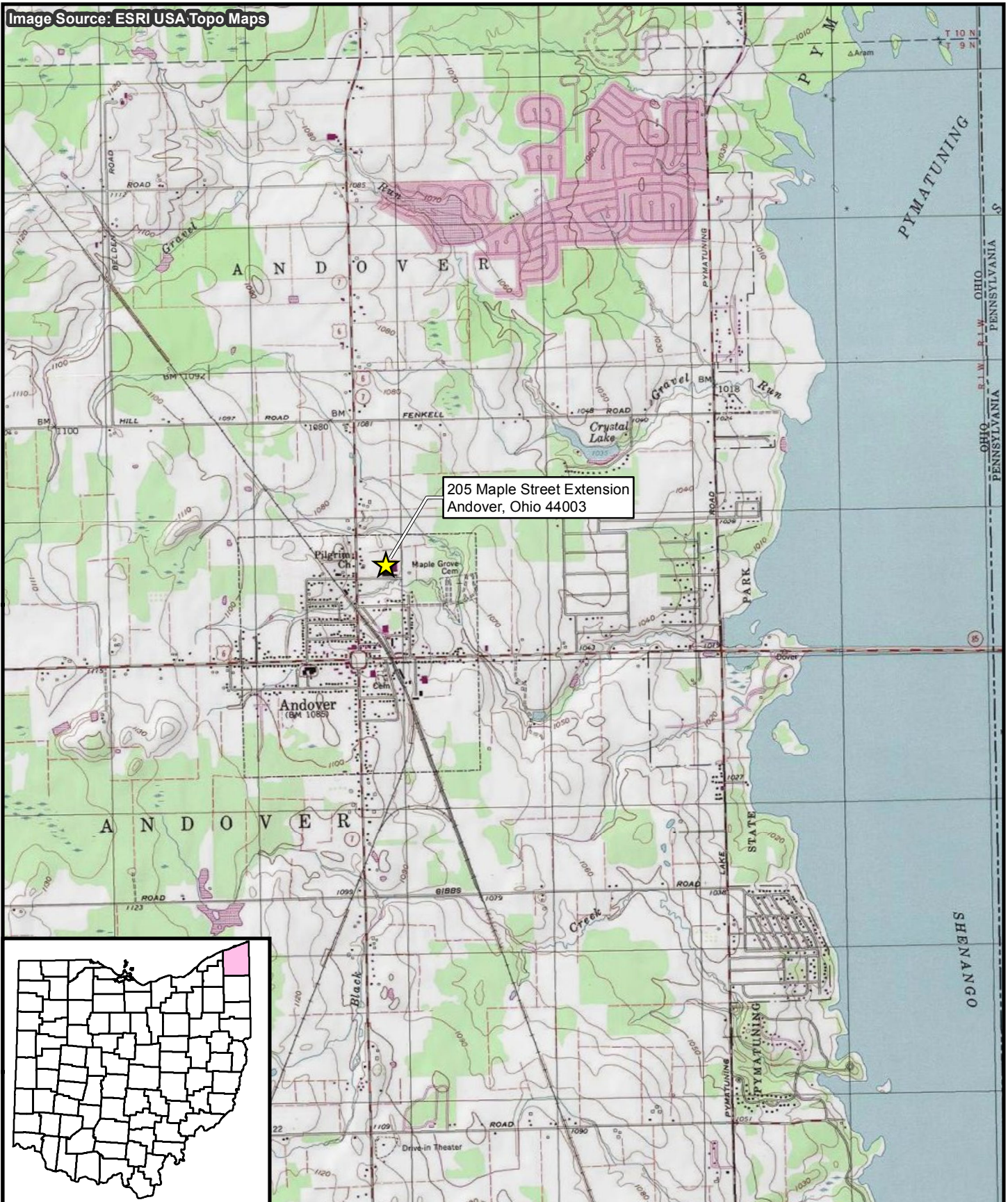
On August 29, 2012, the U.S. EPA and START conducted the site assessment. The tasks completed as part of this site assessment were designed to document the potential for imminent and substantial site-related threats to the public health or welfare of the United States or the environment posed by uncontrolled, abandoned wastes at the site. Based on the site inspection and sampling results, the following approximate totals of unsecured hazardous wastes were documented at the site.

- Approximately 61 gallons of corrosive (D002) hazardous waste in one drum and up to five small containers.
- 10 gallons of oxidizer (D003) waste in two small containers.
- Approximately 217 gallons of used oil containing lead (D008) at a concentration exceeding the toxicity characteristic limit.
- An unknown quantity of suspected spent paints and solvent wastes (F003 and F005) from in-floor sumps and trench drains in the former paint mixing rooms (Area 1).
- Universal waste fluorescent light ballasts.

Further evaluation may be needed in some cases to determine the actual waste quantities or to generate complete waste profile information for the designated disposal facility.

FIGURES

Image Source: ESRI USA Topo Maps



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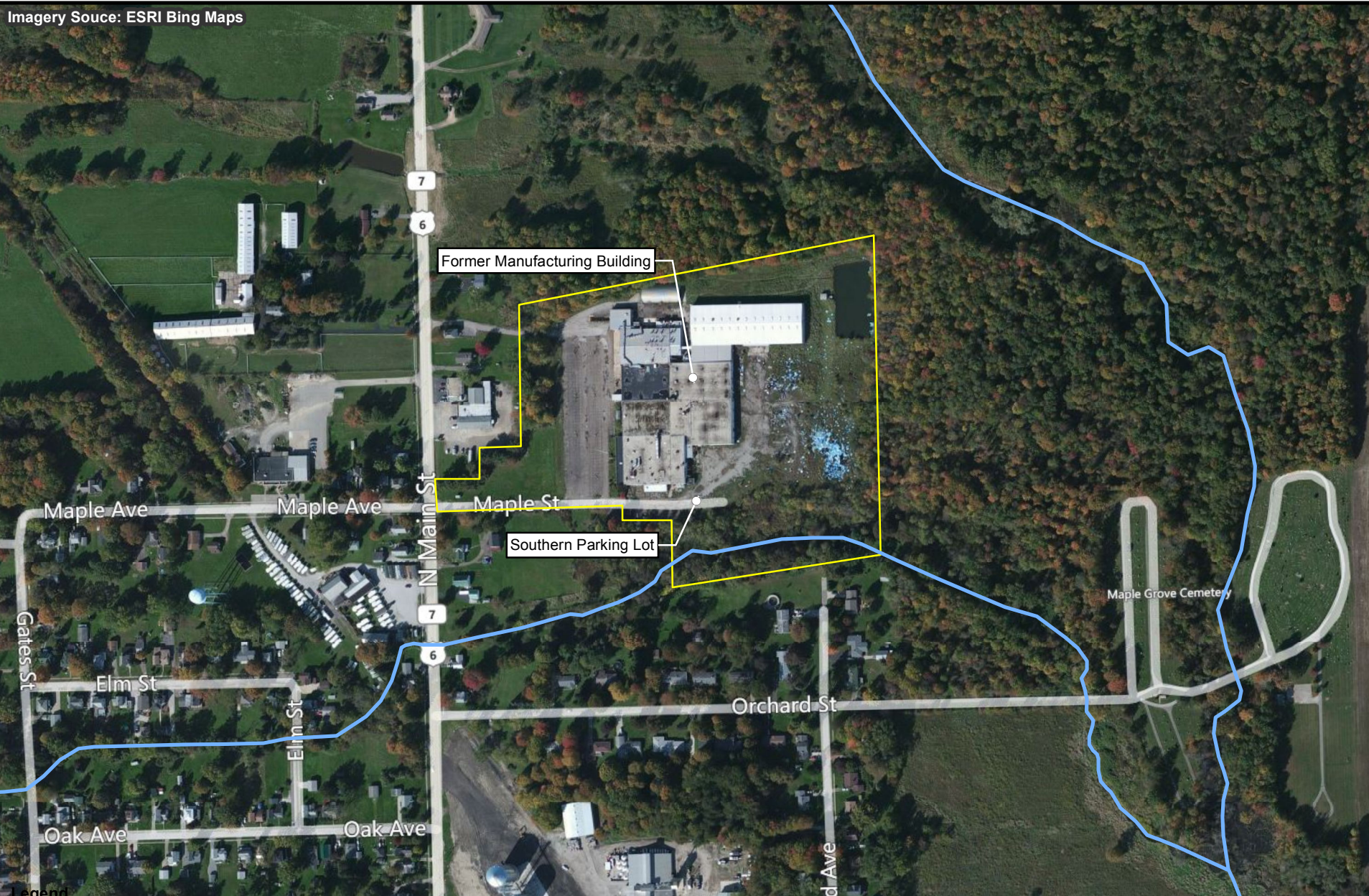
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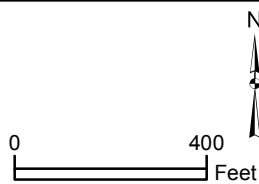
Figure 1

Site Location Map
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Imagery Source: ESRI Bing Maps



- Legend
- Creeks
 - Site Property Boundary



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Figure 2
Site Features Map
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Imagery Source: ESRI Bing Maps

Area 1

4 In-floor sumps and trenches with paint contents

Sampling Locations

PL-S01-082912

Area 7

3 Drums with grease contents
3 Drums with unknown contents
1 Drum with corrosive contents
6 Small containers with corrosive contents

Sampling Locations

PL-D01-082912

PL-D01-082912-DP

PL-D02-082912

Area 8

4 Small containers with adhesive contents
1 Small container with paint contents

Area 4

1 Small container with corrosive contents
2 Small containers with oxidizer contents
4 Small containers with boiler treatment chemical contents
6 Small containers with oil contents
6 Small containers with asphalt sealant contents

Sampling Locations

PL-P01-082912

PL-P02-082912 (not submitted to laboratory)

Area 3

8 Drums with residual oil contents
1 Shop vacuum with oil contents
2 Cylinders with carbon dioxide contents

Area 2

1 Transformer
1 Drum with oil contents
3 Small containers with unknown contents

Area 6

5 Drums with oil contents
2 Drums with unknown contents
1 Drum with debris contents
3 Small containers with oil contents
4 In-floor sumps and trenches with oil contents

Sampling Locations

PL-D03-082912

Area 5

3 Transformers
2 Small containers with oil contents

Sampling Locations

PL-T01-082912

PL-T01-082912-DP

PL-I01-082912

PL-I01-082912-DP

Legend

 Inventory Areas



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Figure 3

Inventory Areas and Sampling Locations
Plastech Engineered Products, Inc., Site
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TABLES

Table 1
Container Inventory
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Area No.	Sample ID No.	Size (Gallons)	Percent Full	Container Type	Top	Condition	Labeling	Manufacturer	Additional Information
1	PL-S01-082912	40	50	Sump	Open	-	-	-	PID headspace reading = 398 ppm
	-	40	50	Sump	Open	-	-	-	-
	-	40	50	Sump	Open	-	-	-	-
2	-	900	-	Transformer	Closed	Poor	-	-	-
		55	75	Steel Drum	Closed	Poor	-	-	Appeared to contain used oil; oil filter on top
		5	100	Bucket	Sealed	Fair	-	-	-
		5	<10	Bucket	Closed	Poor	-	-	-
		5	100	Bucket	Sealed	Poor	-	-	Bucket found outside, labeling weathered
3	-	55	<10	Poly Drum	Open	Fair	-	-	Used oil
		55	<10	Poly Drum	Open	Fair			
		55	<10	Poly Drum	Open	Fair			
		55	<10	Poly Drum	Open	Fair			
		55	<10	Poly Drum	Open	Fair			
		55	<10	Poly Drum	Open	Fair			
		55	<10	Poly Drum	Open	Fair			
		55	15	Steel Drum	Open	Poor			
		-	-	Cylinder	Closed	Good			Carbon dioxide, 5-foot cylinders
		-	-	Cylinder	Closed	Good			
4	PL-P01-082912	5	80	Poly	Closed	Poor	Corrosive	DuBois Chemicals, Inc.	PID headspace reading = 18.3 ppm pH measured in field = 11 SUs
		5	100	Bucket	Closed	Fair	Oxidizer	-	Solid white pellets PID headspace reading = 0.6 ppm
	-	5	100	Bucket	Closed	Fair	Oxidizer	-	-
		5	50	Bucket	Closed	Poor	Industrial Microbiocide	-	Boiler water chemical treatment
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		3	80	Poly	Closed	Poor			
		3	80	Poly	Closed	Poor	-	-	Appeared to contain used oil
		3	80	Poly	Closed	Poor			
		3	80	Poly	Closed	Poor			
		3	80	Poly	Closed	Poor			
		3	80	Poly	Closed	Poor			
		3	80	Poly	Closed	Poor			

Table 1
Container Inventory
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Area No.	Sample ID No.	Size (Gallons)	Percent Full	Container Type	Top	Condition	Labeling	Manufacturer	Additional Information
4	-	2	100	Bucket	Closed	Poor	Seal-It Dry Temporary Roof Patch	Revere	Asphalt sealant
		2	100	Bucket	Closed	Poor			
		2	100	Bucket	Closed	Poor			
		2	100	Bucket	Closed	Poor			
		2	100	Bucket	Closed	Poor			
		2	100	Bucket	Closed	Poor			
		5	50	Poly	Closed	Poor	Polyester Adipate, Hot Melt Clean-Up Fluid	-	-
5	PL-T01-082912 and PL-T01-082912-DP	100	Unknown	Transformer	Closed	Fair	PCB content < 50 ppm	SunOhio	Oil-stained concrete pad, soil, and vegetation surrounding the transformers
	-	100	Unknown	Transformer	Closed	Fair			
		100	Unknown	Transformer	Closed	Fair	-	-	Oil
		5	100	Bucket	Closed	Poor			
		5	100	Bucket	Closed	Poor			
6	PL-D03-082912	55	85	Steel Drum	Open	Poor	-	-	Appeared to contain used oil
	-	55	<10	Steel Drum	Open	Poor			
		5	<10	Bucket	Closed	Poor			
		5	<10	Bucket	Closed	Poor			
		5	<10	Bucket	Closed	Poor			
		20	<10	Steel Drum	Open	Poor			
		20	<10	Steel Drum	Open	Poor			
		30	85	Steel Drum	Open	Poor			
		55	5	Poly Drum	Open	Poor	-	-	Contained floor sweepings and debris
									20-gallon steel drum inside contained residual oil
		10	100	Sump	Open	-	-	-	Used oil
		10	100	Sump	Open				
		10	100	Sump	Open				
		10	100	Sump	Open				
7	PL-D01-082912 and PL-D01-082912-DP	55	85	Poly Drum	Closed	Fair	Corrosive	-	pH measured in field = 14 SUs
	PL-D02-082912	55	50	Steel Drum	Closed	Poor	WBG 286 Booth Grease	Competitive	-
	-	55	50	Steel Drum	Closed	Poor			
		55	50	Steel Drum	Closed	Poor			
		55	85	Steel Drum	Open	Poor	-	-	Unlabeled, unknown contents
		55	85	Steel Drum	Open	Poor			
		55	85	Steel Drum	Open	Poor			
		55	85	Steel Drum	Open	Poor			

Table 1
Container Inventory
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Area No.	Sample ID No.	Size (Gallons)	Percent Full	Container Type	Top	Condition	Labeling	Manufacturer	Additional Information
7	-	5	< 10	Bucket	Closed	Poor	Protecto, corrosive	Competitive	-
		5	< 10	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
8	-	5	50	Bucket	Closed	Poor	Adhesive	-	In attic space above restrooms
		5	50	Bucket	Closed	Poor			
		5	50	Bucket	Closed	Poor			
		5	<10	Bucket	Closed	Poor			
		1	90	Paint Can	Closed	Poor	Paint	-	-

Notes:

- = Unknown, not available, or not applicable

ID = Identification

PCB = Polychlorinated biphenyl

PID = Photoionization detector

Poly = Polyethylene

ppm = Part per million

SU = Standard unit

Table 2
Drum Sampling Analytical Results
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Parameter	Analytical Method	Unit	Regulatory Limit	Sample No.			
				PL-D01-082912	PL-D01-082912-DP	PL-D02-082912	PL-D03-082912
Characteristic							
Flashpoint	SW846-1010	°F	< 140	> 180	> 180	> 180	> 180
Corrosivity	SW846-9041A	pH SUs	< 2 or > 12.5	14 HF	14 HF	8.0 HF	6.0 HF
TCLP Metals							
Arsenic	SW846-6010C	mg/L	5	2.0 U	0.014 J	0.50 U	0.50 U
Barium	SW846-6010C	mg/L	100	0.032 JB	0.029 JB	0.0066 JB	4.6 JB
Cadmium	SW846-6010C	mg/L	1	0.40 U	0.40 U	0.10 U	0.66
Chromium	SW846-6010C	mg/L	5	0.019 J	0.029 J	0.0036 J	0.5
Lead	SW846-6010C	mg/L	5	0.13 J	0.18 J	0.0067 J	8.9
Mercury	SW846-7470A	mg/L	0.2	0.20 U	0.20 U	0.0020 U	0.033 U
Selenium	SW846-6010C	mg/L	1	0.087 JB	0.13 JB	0.0047 JB	0.50 U
Silver	SW846-6010C	mg/L	5	2.0 U	2.0 U	0.50 U	0.50 U
TCLP VOCs							
Benzene	SW846-8260B	mg/L	0.5	0.50 U	0.50 U	0.025 U	0.50 U
Carbon tetrachloride	SW846-8260B	mg/L	0.5	0.50 U	0.50 U	0.025 U	0.50 U
Chlorobenzene	SW846-8260B	mg/L	100	0.50 U	0.50 U	0.025 U	0.50 U
Chloroform	SW846-8260B	mg/L	6	0.50 U	0.50 U	0.025 U	0.50 U
1,2-Dichloroethane	SW846-8260B	mg/L	0.5	0.50 U	0.50 U	0.025 U	0.50 U
1,1-Dichloroethene	SW846-8260B	mg/L	0.7	0.50 U	0.50 U	0.025 U	0.50 U
Methyl ethyl ketone (2-butanone)	SW846-8260B	mg/L	200	2.7 J	3.8 J	0.25 U	0.32 J
Tetrachloroethylene	SW846-8260B	mg/L	0.7	0.50 U	0.50 U	0.025 U	0.50 U
Trichloroethylene	SW846-8260B	mg/L	0.5	0.50 U	0.50 U	0.025 U	0.50 U
Vinyl chloride	SW846-8260B	mg/L	0.2	0.50 U	0.50 U	0.025 U	0.50 U
TCLP SVOCs							
1,4 Dichlorobenzene	SW846-8270C	mg/L	7.5	14 U	15 U	0.080 U	100 U
2,4-Dinitrotoluene	SW846-8270C	mg/L	0.13	69 U	74 U	0.40 U	500 U
Hexachlorobenzene	SW846-8270C	mg/L	0.13	69 U	74 U	0.40 U	500 U
Hexachlorobutadiene	SW846-8270C	mg/L	0.5	69 U	74 U	0.40 U	500 U
Hexachloroethane	SW846-8270C	mg/L	3	69 U	74 U	0.40 U	500 U
2-Methylphenol	SW846-8270C	mg/L	200	14 U	15 U	0.080 U	100 U
3- and 4-Methylphenol	SW846-8270C	mg/L	200	140 U	150 U	0.80 U	1,000 U
Nitrobenzene	SW846-8270C	mg/L	2	14 U	15 U	0.080 U	100 U
Pentachlorophenol	SW846-8270C	mg/L	100	140 U	150 U	0.80 U	1,000 U
Pyridine	SW846-8270C	mg/L	5	69 U	74 U	0.40 U	500 U
2,4,5-Trichlorophenol	SW846-8270C	mg/L	400	69 U	74 U	0.40 U	500 U
2,4,6-Trichlorophenol	SW846-8270C	mg/L	2	69 U	74 U	0.40 U	500 U

Table 2
Drum Sampling Analytical Results
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Parameter	Analytical Method	Unit	Regulatory Limit	Sample No.			
				PL-D01-082912	PL-D01-082912-DP	PL-D02-082912	PL-D03-082912
PCBs							
Aroclor 1016	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1221	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1232	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1242	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1248	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1254	SW846-8082	mg/kg	50	-	-	-	9.300 U
Aroclor 1260	SW846-8082	mg/kg	50	-	-	-	9.300 U

Notes:

Bold results indicate detected compounds.

Highlighted results exceed regulatory limits.

- = Not tested

°F = Degree Fahrenheit

B = Compound detected in the blank and sample

HF = Field parameter with a holding time of 15 minutes

J = Estimated

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

PCB = Polychlorinated biphenyl

SU = Standard unit

SVOC = Semivolatile organic compound

TCLP = Toxicity Characteristic Leaching Procedure

U = Not detected

VOC = Volatile organic compound

Table 3
Small Container, Sump, Transformer, and Soil Sampling Analytical Results
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Parameter	Analytical Method	Unit	Regulatory Limit	Sample No.					
				PL-P01-082912	PL-S01-082912	PL-T01-082912	PL-T01-082912-DP	PL-I01-082912	PL-I01-082912-DP
Characteristic									
Flashpoint	SW846-1010	°F	< 140	> 180	> 180	-	-	-	-
Corrosivity	SW846-9041A	pH SUs	< 2 or > 12.5	11 HF	6.0 HF	-	-	-	-
TCLP Metals									
Arsenic	SW846-6010C	mg/L	5	2.0 U	0.50 U	-	-	-	-
Barium	SW846-6010C	mg/L	100	0.031 JB	0.0058 JB	-	-	-	-
Cadmium	SW846-6010C	mg/L	1	0.40 U	0.10 U	-	-	-	-
Chromium	SW846-6010C	mg/L	5	0.027 J	0.0035 J	-	-	-	-
Lead	SW846-6010C	mg/L	5	0.026 J	0.0094 J	-	-	-	-
Mercury	SW846-7470A	mg/L	0.2	0.20 U	0.0020 U	-	-	-	-
Selenium	SW846-6010C	mg/L	1	0.16 JB	0.016 JB	-	-	-	-
Silver	SW846-6010C	mg/L	5	2.0 U	0.50 U	-	-	-	-
TCLP VOCs									
Benzene	SW846-8260B	mg/L	0.5	0.10 U	0.050 U	-	-	-	-
Carbon tetrachloride	SW846-8260B	mg/L	0.5	0.10 U	0.050 U	-	-	-	-
Chlorobenzene	SW846-8260B	mg/L	100	0.10 U	0.050 U	-	-	-	-
Chloroform	SW846-8260B	mg/L	6	0.10 U	0.050 U	-	-	-	-
1,2-Dichloroethane	SW846-8260B	mg/L	0.5	0.10 U	0.050 U	-	-	-	-
1,1-Dichloroethene	SW846-8260B	mg/L	0.7	0.10 U	0.050 U	-	-	-	-
Methyl ethyl ketone (2-butanone)	SW846-8260B	mg/L	200	1.0 U	3.7	-	-	-	-
Tetrachloroethylene	SW846-8260B	mg/L	0.7	0.10 U	0.050 U	-	-	-	-
Trichloroethylene	SW846-8260B	mg/L	0.5	0.10 U	0.050 U	-	-	-	-
Vinyl chloride	SW846-8260B	mg/L	0.2	0.10 U	0.050 U	-	-	-	-
TCLP SVOCs									
1,4 Dichlorobenzene	SW846-8270C	mg/L	7.5	0.80 U	0.20 U	-	-	-	-
2,4-Dinitrotoluene	SW846-8270C	mg/L	0.13	4.0 U	1.0 U	-	-	-	-
Hexachlorobenzene	SW846-8270C	mg/L	0.13	4.0 U	1.0 U	-	-	-	-
Hexachlorobutadiene	SW846-8270C	mg/L	0.5	4.0 U	1.0 U	-	-	-	-
Hexachloroethane	SW846-8270C	mg/L	3	4.0 U	1.0 U	-	-	-	-
2-Methylphenol	SW846-8270C	mg/L	200	0.80 U	0.20 U	-	-	-	-
3- and 4-Methylphenol	SW846-8270C	mg/L	200	8.0 U	2.0 U	-	-	-	-
Nitrobenzene	SW846-8270C	mg/L	2	0.80 U	0.20 U	-	-	-	-
Pentachlorophenol	SW846-8270C	mg/L	100	8.0 U	2.0 U	-	-	-	-
Pyridine	SW846-8270C	mg/L	5	4.0 U	1.0 U	-	-	-	-
2,4,5-Trichlorophenol	SW846-8270C	mg/L	400	4.0 U	1.0 U	-	-	-	-
2,4,6-Trichlorophenol	SW846-8270C	mg/L	2	4.0 U	1.0 U	-	-	-	-

Table 3
Small Container, Sump, Transformer, and Soil Sampling Analytical Results
Plastech Engineered Products, Inc., Site
Andover, Ashtabula County, Ohio

Parameter	Analytical Method	Unit	Regulatory Limit	Sample No.					
				PL-P01-082912	PL-S01-082912	PL-T01-082912	PL-T01-082912-DP	PL-I01-082912	PL-I01-082912-DP
PCBs									
Aroclor 1016	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1221	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1232	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1242	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1248	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1254	SW846-8082	mg/kg	50	-	0.950 U	0.990 U	1.000 U	0.250 U	0.560 U
Aroclor 1260	SW846-8082	mg/kg	50	-	0.950 U	3.900	3.900	0.430	0.830

Notes:

Bold results indicate detected compounds.

- = Not tested

°F = Degree Fahrenheit

B = Compound detected in the blank and sample

HF = Field parameter with a holding time of 15 minutes

J = Estimated

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

PCB = Polychlorinated biphenyl

SU = Standard unit

SVOC = Semivolatile organic compound

TCLP = Toxicity Characteristic Leaching Procedure

U = Not detected

VOC = Volatile organic compound

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



Site: Plastech Engineered Products, Inc.

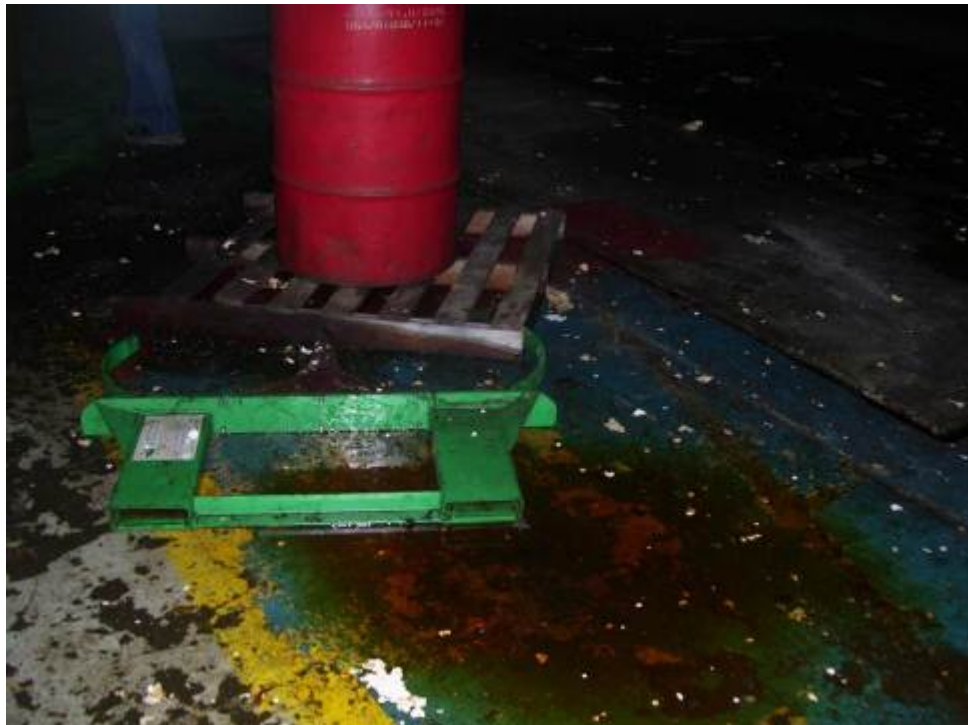
Photograph No.: 1

Direction: North

Subject: Sign at Site entrance

Date: 8/29/12

Photographer: Dustin Bates



Site: Plastech Engineered Products, Inc.

Photograph No.: 2

Direction: West

Subject: Oily liquid on floor around open drum containing oily liquid in Area 6

Date: 8/29/12

Photographer: Ryan Green



Site: Plastech Engineered Products, Inc.

Photograph No.: 3

Direction: Down

Subject: Oily liquid in floor trenches and a sump in Area 6

Date: 8/29/12

Photographer: Ryan Green



Site: Plastech Engineered Products, Inc.

Photograph No.: 4

Direction: Down

Subject: Oily liquid in an open shop vacuum in Area 3

Date: 8/29/12

Photographer: Ryan Green



Site: Plastech Engineered Products, Inc.

Photograph No.: 5

Date: 8/29/12

Direction: West

Photographer: Ryan Green

Subject: Drums containing oily liquids and two gas cylinders containing carbon dioxide (at left)



Site: Plastech Engineered Products, Inc.

Photograph No.: 6

Date: 8/29/12

Direction: South

Photographer: Ryan Green

Subject: Small containers in Area 4 shed, including one 5-gallon bucket labeled "Oxidizer"



Site: Plastech Engineered Products, Inc.

Photograph No.: 7

Date: 8/29/12

Direction: West

Photographer: Ryan Green

Subject: 5-gallon polyethylene container in Area 4 shed with "Corrosive" label



Site: Plastech Engineered Products, Inc.

Photograph No.: 8

Date: 8/29/12

Direction: East

Photographer: Ryan Green

Subject: Oil-stained concrete pad and vegetation at the base of a transformer in Area 5



Site: Plastech Engineered Products, Inc.

Photograph No.: 9

Direction: North

Subject: Drums containing grease solids in Area 7

Date: 8/29/12

Photographer: Ryan Green



Site: Plastech Engineered Products, Inc.

Photograph No.: 10

Direction: South

Subject: Collection of liquid sample from 5-gallon container in Area 4 labeled “Corrosive”

Date: 8/29/12

Photographer: Lori Muller



Site: Plastech Engineered Products, Inc.

Photograph No.: 11

Direction: North

Subject: 5-gallon container with "Corrosive" label and sample PL-P01-082912

Date: 8/29/12

Photographer: Lori Muller



Site: Plastech Engineered Products, Inc.

Photograph No.: 12

Direction: South

Subject: 5-gallon container with "Oxidizer" label containing white solid pellets; sample PL-P02-082912

Date: 8/29/12

Photographer: Lori Muller



Site: Plastech Engineered Products, Inc.

Photograph No.: 13

Date: 8/29/12

Direction: Down

Photographer: Lori Muller

Subject: 5-gallon container with "Oxidizer" label containing white solid pellets; sample PL-P02-082912



Site: Plastech Engineered Products, Inc.

Photograph No.: 14

Date: 8/29/12

Direction: Down

Photographer: Lori Muller

Subject: Oil-stained soil near the base of transformer in Area 5; sample PL-I01-082912



Site: Plastech Engineered Products, Inc.

Photograph No.: 15

Direction: Southwest

Subject: Collection of headspace reading from drum D01 in Area 7; sample PL-D01-082912

Date: 8/29/12

Photographer: Lori Muller



Site: Plastech Engineered Products, Inc.

Photograph No.: 16

Direction: South

Subject: Collection of white grease from drum D02 in Area 7; sample PL-D02-082912

Date: 8/29/12

Photographer: Lori Muller



Site: Plastech Engineered Products, Inc.

Photograph No.: 17

Date: 8/29/12

Direction: North

Photographer: Lori Muller

Subject: Open oil drum D03 in Area 6; sample PL-D03-082912



Site: Plastech Engineered Products, Inc.

Photograph No.: 18

Date: 8/29/12

Direction: Down

Photographer: Ryan Green

Subject: Liquid and sludge in sump S01 in Area 1 with strong solvent odor; sample PL-S01-082912

APPENDIX B

DATA VALIDATION REPORT

**PLASTECH ENGINEERED PRODUCTS SITE
ANDOVER, OHIO
DATA VALIDATION REPORT**

Date: October 1, 2012

Laboratory: TestAmerica Laboratories, Inc. (TestAmerica), North Canton, Ohio

Laboratory Project #: 200-14741-1

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

Weston Analytical Work Order #/TDD #: 20405.016.001.1953.00/S05-0001-1208-016

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 8 waste liquid and 2 soil samples collected for the Plastech Engineered Products Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compounds (VOC) by SW-846 Methods 1311 and 8260B
- TCLP Semivolatile Organic Compounds (SVOC) by SW-846 Methods 1311 and 8270C
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- TCLP Metals by SW-846 Methods 1311, 6010C, and 7470A
- Ignitability by SW-846 Method 1010
- pH by SW-846 Method 9041A

A level II data package was requested from TestAmerica. The data validation was conducted in general accordance with the U.S. EPA “Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review” dated June 2008 and “Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review” dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

TCLP VOCs by SW-846 METHODS 1311 AND 8260B

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
PL-D01-082912	240-14741-1	Liquid	8/29/2012	9/7/2012
PL-D01-082912-DP	240-14741-2	Liquid	8/29/2012	9/7/2012
PL-D02-082912	240-14741-3	Liquid	8/29/2012	9/7/2012
PL-D03-082912	240-14741-4	Liquid	8/29/2012	9/12/2012
PL-P01-082912	240-14741-9	Liquid	8/29/2012	9/7/2012
PL-S01-082912	240-14741-10	Liquid	8/29/2012	9/7/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks were analyzed with the TCLP VOC analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were not analyzed with this work order. No qualifications required.

7. **Field Duplicate Results**

Sample PL-D01-082912-DP is a field duplicate of sample PL-D01-082912. Only 2-butanone was detected in the two samples. The relative percent difference (RPD) was less than a standard QC limit of 50 RPD or less (there is no established QC limit for field duplicates). Field duplicate results are acceptable.

8. **Overall Assessment**

The TCLP VOC data are acceptable for use based on the information received.

TCLP SVOCs by SW-846 METHODS 1311 AND 8270C

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
PL-D01-082912	240-14741-1	Liquid	8/29/2012	9/7/2012	9/10/2012
PL-D01-082912-DP	240-14741-2	Liquid	8/29/2012	9/7/2012	9/10/2012
PL-D02-082912	240-14741-3	Liquid	8/29/2012	9/7/2012	9/10/2012
PL-D03-082912	240-14741-4	Liquid	8/29/2012	9/7/2012	9/12/2012
PL-P01-082912	240-14741-9	Liquid	8/29/2012	9/7/2012	9/10/2012
PL-S01-082912	240-14741-10	Liquid	8/29/2012	9/7/2012	9/10/2012

2. **Holding Times**

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from sample extraction to analysis.

3. **Blanks**

Method blanks were analyzed with the TCLP SVOC analyses. The method blanks were free of target compound contamination above the reporting limit.

4. **Surrogate Results**

Many of the surrogates could not be recovered due to high dilution factors of 50 to 100. No qualifications are required.

5. LCS Results

The LCS recoveries were within laboratory QC limits.

6. MS and MSD Results

A site-specific MS was analyzed using sample PL-D03-082912 as the spiked sample. The recoveries were within QC limits except for pentachlorophenol. For pentachlorophenol, the spike amount was less than four times the reporting limit and therefore could not be adequately recovered. No qualification is required in this instance.

7. Field Duplicate Results

Sample PL-D01-082912-DP is a field duplicate of sample PL-D01-082912. All TCLP SVOC results in these two samples were non-detect indicating good correlation between the samples.

8. Overall Assessment

The TCLP SVOC data are acceptable for use based on the information received.

PCBs by SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
PL-D03-082912	240-14741-4	Liquid	8/29/2012	9/4/2012	9/5/2012
PL-I01-082912	240-14741-7	Soil	8/29/2012	9/4/2012	9/6/2012
PL-I01-082912-DP	240-14741-8	Soil	8/29/2012	9/4/2012	9/6/2012
PL-S01-082912	240-14741-10	Liquid	8/29/2012	9/4/2012	9/5/2012
PL-T01-082912	240-14741-11	Liquid	8/29/2012	9/4/2012	9/5/2012
PL-T01-082912-DP	240-14741-12	Liquid	8/29/2012	9/4/2012	9/5/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control QC limits except for in one sample where the surrogates weren't recovered due to sample dilution. No qualification is required.

5. LCS Results

The LCS recoveries were within laboratory QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample PL-T01-082912-DP as the spiked sample. The percent recoveries and RPDs were within QC limits for target compounds.

7. Field Duplicate Results

Sample PL-I01-082912-DP is a field duplicate of sample PL-I01-082912 and sample PL-T01-082912-DP is a duplicate of sample PL-T01-082912. In both field duplicates, Aroclor 1260 was the only PCB detected.

For sample, PLI01-082912 and its field duplicate, the RPD for Aroclor 1260 was 63. This is somewhat elevated and indicates some sample heterogeneity associated with the soil samples for PCBs.

For sample PL-T01-082912 and its duplicate, the RPD was 0 indicating excellent correlation between these samples.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

TCLP METALS BY SW-846 METHODS 1311, 6010C, AND 7470A

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
PL-D01-082912	240-14741-1	Liquid	8/29/2012	9/10/2012
PL-D01-082912-DP	240-14741-2	Liquid	8/29/2012	9/10/2012
PL-D02-082912	240-14741-3	Liquid	8/29/2012	9/10/2012
PL-D03-082912	240-14741-4	Liquid	8/29/2012	9/7/2012 - 9/10/2012
PL-P01-082912	240-14741-9	Liquid	8/29/2012	9/10/2012
PL-S01-082912	240-14741-10	Liquid	8/29/2012	9/10/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the TCLP metals analysis. The blanks were free of target analyte contamination above the reporting limits. Barium and selenium were detected below the reporting limit. Those TCLP barium and selenium results detected below the reporting limit and at a similar concentration to the blank (less than 10 times) were flagged "U" as not detected.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were not analyzed with this work order. No qualifications are required.

6. Field Duplicate Results

Sample PL-D01-082912-DP is a field duplicate of sample PL-D01-082912. For detected metals, the RPDs were less than a standard QC limit of 50 RPD or less (there is no established QC limit for field duplicates). Field duplicate results are acceptable.

7. **Overall Assessment**

The TCLP metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (Ignitability by 1010 and pH by 9041A)

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
PL-D01-082912	240-14741-1	Liquid	8/29/2012	9/1/2012 – 9/6/2012
PL-D01-082912-DP	240-14741-2	Liquid	8/29/2012	9/1/2012 – 9/6/2012
PL-D02-082912	240-14741-3	Liquid	8/29/2012	9/1/2012 – 9/7/2012
PL-D03-082912	240-14741-4	Liquid	8/29/2012	9/1/2012 – 9/7/2012
PL-P01-082912	240-14741-9	Liquid	8/29/2012	9/1/2012 – 9/6/2012
PL-S01-082912	240-14741-10	Liquid	8/29/2012	9/1/2012 – 9/7/2012

2. **Holding Times**

The holding times were acceptable. Note that the laboratory flagged the pH results with an “HF” to indicate that this is a field parameter with a holding time of 15 minutes. Because the samples from the Plastech site are high-hazard waste samples, and not water samples, the holding time of 3 days is acceptable and no qualifications were applied.

3. **LCS Results**

An LCS was analyzed with the flashpoint analysis and was within the laboratory-established QC limits.

4. **Duplicate Results**

The RPDs were within QC limits for laboratory duplicates.

5. **Field Duplicate Results**

Sample PL-D01-082912-DP is a field duplicate of sample PL-D01-08291. The RPDs were less than a standard QC limit of 50 RPD or less (there is no established QC limit for field duplicates). Field duplicate results are acceptable.

Data Validation Report
Plastech Engineered Products
TestAmerica Laboratories, Inc.
Laboratory Project #: 240-41741-1

6. Overall Assessment

The ignitability and pH data are acceptable for use based on the information received.

Data Validation Report
Plastech Engineered Products
TestAmerica Laboratories, Inc.
Laboratory Project #: 240-41741-1

ATTACHMENT

TESTAMERICA LABORATORIES, INC. RESULTS SUMMARY WITH QUALIFIERS

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D01-082912

Lab Sample ID: 240-14741-1

Date Collected: 08/29/12 14:07

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.50	U	0.50	0.19	mg/L			09/07/12 18:52	20
1,2-Dichloroethane	0.50	U	0.50	0.22	mg/L			09/07/12 18:52	20
2-Butanone (MEK)	2.7	J	5.0	0.57	mg/L			09/07/12 18:52	20
Benzene	0.50	U	0.50	0.13	mg/L			09/07/12 18:52	20
Carbon tetrachloride	0.50	U	0.50	0.13	mg/L			09/07/12 18:52	20
Chlorobenzene	0.50	U	0.50	0.15	mg/L			09/07/12 18:52	20
Chloroform	0.50	U	0.50	0.16	mg/L			09/07/12 18:52	20
Tetrachloroethene	0.50	U	0.50	0.29	mg/L			09/07/12 18:52	20
Trichloroethene	0.50	U	0.50	0.17	mg/L			09/07/12 18:52	20
Vinyl chloride	0.50	U	0.50	0.22	mg/L			09/07/12 18:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 121		09/07/12 18:52	20
4-Bromofluorobenzene (Surr)	100		70 - 124		09/07/12 18:52	20
Toluene-d8 (Surr)	105		90 - 115		09/07/12 18:52	20
Dibromofluoromethane (Surr)	125		84 - 128		09/07/12 18:52	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	14	U	14	1.2	mg/L		09/07/12 07:50	09/10/12 17:30	100
2,4,5-Trichlorophenol	69	U	69	1.0	mg/L		09/07/12 07:50	09/10/12 17:30	100
2,4,6-Trichlorophenol	69	U	69	2.8	mg/L		09/07/12 07:50	09/10/12 17:30	100
2,4-Dinitrotoluene	69	U	69	0.93	mg/L		09/07/12 07:50	09/10/12 17:30	100
Hexachlorobenzene	69	U	69	0.35	mg/L		09/07/12 07:50	09/10/12 17:30	100
Hexachlorobutadiene	69	U	69	0.93	mg/L		09/07/12 07:50	09/10/12 17:30	100
Hexachloroethane	69	U	69	2.8	mg/L		09/07/12 07:50	09/10/12 17:30	100
3 & 4 Methylphenol	140	U	140	2.6	mg/L		09/07/12 07:50	09/10/12 17:30	100
2-Methylphenol	14	U	14	2.8	mg/L		09/07/12 07:50	09/10/12 17:30	100
Nitrobenzene	14	U	14	0.14	mg/L		09/07/12 07:50	09/10/12 17:30	100
Pentachlorophenol	140	U	140	8.3	mg/L		09/07/12 07:50	09/10/12 17:30	100
Pyridine	69	U	69	1.2	mg/L		09/07/12 07:50	09/10/12 17:30	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	X	30 - 110	09/07/12 07:50	09/10/12 17:30	100
2-Fluorophenol (Surr)	0	X	20 - 110	09/07/12 07:50	09/10/12 17:30	100
2,4,6-Tribromophenol (Surr)	0	X	23 - 110	09/07/12 07:50	09/10/12 17:30	100
Nitrobenzene-d5 (Surr)	0	X	28 - 110	09/07/12 07:50	09/10/12 17:30	100
Phenol-d5 (Surr)	0	X	21 - 110	09/07/12 07:50	09/10/12 17:30	100
Terphenyl-d14 (Surr)	0	X	48 - 110	09/07/12 07:50	09/10/12 17:30	100

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.013	mg/L		09/07/12 08:18	09/10/12 12:02	4
Barium	0.032	J B	40	0.0027	mg/L		09/07/12 08:18	09/10/12 12:02	4
Cadmium	0.40	U	0.40	0.0026	mg/L		09/07/12 08:18	09/10/12 12:02	4
Chromium	0.019	J	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:02	4
Lead	0.13	J	2.0	0.0076	mg/L		09/07/12 08:18	09/10/12 12:02	4
Selenium	0.087	J B	1.0	0.016	mg/L		09/07/12 08:18	09/10/12 12:02	4
Silver	2.0	U	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:02	4

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D01-082912

Lab Sample ID: 240-14741-1

Date Collected: 08/29/12 14:07

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		09/07/12 14:45	09/10/12 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/06/12 08:21	1
pH	14	HF			SU			09/01/12 12:18	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D01-082912-DP

Lab Sample ID: 240-14741-2

Date Collected: 08/29/12 14:07

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.50	U	0.50	0.19	mg/L			09/07/12 19:17	20
1,2-Dichloroethane	0.50	U	0.50	0.22	mg/L			09/07/12 19:17	20
2-Butanone (MEK)	3.8	J	5.0	0.57	mg/L			09/07/12 19:17	20
Benzene	0.50	U	0.50	0.13	mg/L			09/07/12 19:17	20
Carbon tetrachloride	0.50	U	0.50	0.13	mg/L			09/07/12 19:17	20
Chlorobenzene	0.50	U	0.50	0.15	mg/L			09/07/12 19:17	20
Chloroform	0.50	U	0.50	0.16	mg/L			09/07/12 19:17	20
Tetrachloroethene	0.50	U	0.50	0.29	mg/L			09/07/12 19:17	20
Trichloroethene	0.50	U	0.50	0.17	mg/L			09/07/12 19:17	20
Vinyl chloride	0.50	U	0.50	0.22	mg/L			09/07/12 19:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 121		09/07/12 19:17	20
4-Bromofluorobenzene (Surr)	103		70 - 124		09/07/12 19:17	20
Toluene-d8 (Surr)	110		90 - 115		09/07/12 19:17	20
Dibromofluoromethane (Surr)	118		84 - 128		09/07/12 19:17	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	15	U	15	1.3	mg/L		09/07/12 07:50	09/10/12 17:49	100
2,4,5-Trichlorophenol	74	U	74	1.1	mg/L		09/07/12 07:50	09/10/12 17:49	100
2,4,6-Trichlorophenol	74	U	74	3.0	mg/L		09/07/12 07:50	09/10/12 17:49	100
2,4-Dinitrotoluene	74	U	74	1.0	mg/L		09/07/12 07:50	09/10/12 17:49	100
Hexachlorobenzene	74	U	74	0.37	mg/L		09/07/12 07:50	09/10/12 17:49	100
Hexachlorobutadiene	74	U	74	1.0	mg/L		09/07/12 07:50	09/10/12 17:49	100
Hexachloroethane	74	U	74	3.0	mg/L		09/07/12 07:50	09/10/12 17:49	100
3 & 4 Methylphenol	150	U	150	2.8	mg/L		09/07/12 07:50	09/10/12 17:49	100
2-Methylphenol	15	U	15	3.0	mg/L		09/07/12 07:50	09/10/12 17:49	100
Nitrobenzene	15	U	15	0.15	mg/L		09/07/12 07:50	09/10/12 17:49	100
Pentachlorophenol	150	U	150	8.9	mg/L		09/07/12 07:50	09/10/12 17:49	100
Pyridine	74	U	74	1.3	mg/L		09/07/12 07:50	09/10/12 17:49	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	X	30 - 110	09/07/12 07:50	09/10/12 17:49	100
2-Fluorophenol (Surr)	0	X	20 - 110	09/07/12 07:50	09/10/12 17:49	100
2,4,6-Tribromophenol (Surr)	0	X	23 - 110	09/07/12 07:50	09/10/12 17:49	100
Nitrobenzene-d5 (Surr)	0	X	28 - 110	09/07/12 07:50	09/10/12 17:49	100
Phenol-d5 (Surr)	0	X	21 - 110	09/07/12 07:50	09/10/12 17:49	100
Terphenyl-d14 (Surr)	0	X	48 - 110	09/07/12 07:50	09/10/12 17:49	100

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	2.0	0.013	mg/L		09/07/12 08:18	09/10/12 12:08	4
Barium	0.029	J-B U	40	0.0027	mg/L		09/07/12 08:18	09/10/12 12:08	4
Cadmium	0.40	U	0.40	0.0026	mg/L		09/07/12 08:18	09/10/12 12:08	4
Chromium	0.029	J	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:08	4
Lead	0.18	J	2.0	0.0076	mg/L		09/07/12 08:18	09/10/12 12:08	4
Selenium	0.13	J-B	1.0	0.016	mg/L		09/07/12 08:18	09/10/12 12:08	4
Silver	2.0	U	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:08	4

20
10/11/12

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D01-082912-DP

Lab Sample ID: 240-14741-2

Date Collected: 08/29/12 14:07

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		09/07/12 14:45	09/10/12 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/06/12 10:09	1
pH	14	HF			SU			09/01/12 12:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D02-082912

Lab Sample ID: 240-14741-3

Date Collected: 08/29/12 14:12

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.025	U	0.025	0.0095	mg/L			09/07/12 19:43	1
1,2-Dichloroethane	0.025	U	0.025	0.011	mg/L			09/07/12 19:43	1
2-Butanone (MEK)	0.25	U	0.25	0.029	mg/L			09/07/12 19:43	1
Benzene	0.025	U	0.025	0.0065	mg/L			09/07/12 19:43	1
Carbon tetrachloride	0.025	U	0.025	0.0065	mg/L			09/07/12 19:43	1
Chlorobenzene	0.025	U	0.025	0.0075	mg/L			09/07/12 19:43	1
Chloroform	0.025	U	0.025	0.0080	mg/L			09/07/12 19:43	1
Tetrachloroethene	0.025	U	0.025	0.015	mg/L			09/07/12 19:43	1
Trichloroethene	0.025	U	0.025	0.0085	mg/L			09/07/12 19:43	1
Vinyl chloride	0.025	U	0.025	0.011	mg/L			09/07/12 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 121		09/07/12 19:43	1
4-Bromofluorobenzene (Surr)	96		70 - 124		09/07/12 19:43	1
Toluene-d8 (Surr)	108		90 - 115		09/07/12 19:43	1
Dibromofluoromethane (Surr)	116		84 - 128		09/07/12 19:43	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.080	U	0.080	0.0068	mg/L		09/07/12 07:50	09/10/12 18:28	20
2,4,5-Trichlorophenol	0.40	U	0.40	0.0060	mg/L		09/07/12 07:50	09/10/12 18:28	20
2,4,6-Trichlorophenol	0.40	U	0.40	0.016	mg/L		09/07/12 07:50	09/10/12 18:28	20
2,4-Dinitrotoluene	0.40	U	0.40	0.0054	mg/L		09/07/12 07:50	09/10/12 18:28	20
Hexachlorobenzene	0.40	U	0.40	0.0020	mg/L		09/07/12 07:50	09/10/12 18:28	20
Hexachlorobutadiene	0.40	U	0.40	0.0054	mg/L		09/07/12 07:50	09/10/12 18:28	20
Hexachloroethane	0.40	U	0.40	0.016	mg/L		09/07/12 07:50	09/10/12 18:28	20
3 & 4 Methylphenol	0.80	U	0.80	0.015	mg/L		09/07/12 07:50	09/10/12 18:28	20
2-Methylphenol	0.080	U	0.080	0.016	mg/L		09/07/12 07:50	09/10/12 18:28	20
Nitrobenzene	0.080	U	0.080	0.00080	mg/L		09/07/12 07:50	09/10/12 18:28	20
Pentachlorophenol	0.80	U	0.80	0.048	mg/L		09/07/12 07:50	09/10/12 18:28	20
Pyridine	0.40	U	0.40	0.0070	mg/L		09/07/12 07:50	09/10/12 18:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		30 - 110	09/07/12 07:50	09/10/12 18:28	20
2-Fluorophenol (Surr)	58		20 - 110	09/07/12 07:50	09/10/12 18:28	20
2,4,6-Tribromophenol (Surr)	62		23 - 110	09/07/12 07:50	09/10/12 18:28	20
Nitrobenzene-d5 (Surr)	60		28 - 110	09/07/12 07:50	09/10/12 18:28	20
Phenol-d5 (Surr)	56		21 - 110	09/07/12 07:50	09/10/12 18:28	20
Terphenyl-d14 (Surr)	71		48 - 110	09/07/12 07:50	09/10/12 18:28	20

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0032	mg/L		09/07/12 08:18	09/10/12 12:13	1
Barium	0.0066	JB U	10	0.00067	mg/L		09/07/12 08:18	09/10/12 12:13	1
Cadmium	0.10	U	0.10	0.00066	mg/L		09/07/12 08:18	09/10/12 12:13	1
Chromium	0.0036	J	0.50	0.0022	mg/L		09/07/12 08:18	09/10/12 12:13	1
Lead	0.0067	J	0.50	0.0019	mg/L		09/07/12 08:18	09/10/12 12:13	1
Selenium	0.0047	JB U	0.25	0.0041	mg/L		09/07/12 08:18	09/10/12 12:13	1
Silver	0.50	U	0.50	0.0022	mg/L		09/07/12 08:18	09/10/12 12:13	1

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10/1/12

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D02-082912

Lab Sample ID: 240-14741-3

Date Collected: 08/29/12 14:12

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		09/07/12 14:45	09/10/12 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/07/12 07:18	1
pH	8.0	HF			SU			09/01/12 12:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D03-082912

Lab Sample ID: 240-14741-4

Date Collected: 08/29/12 15:10

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.50	U	0.50	0.0038	mg/L		09/11/12 22:02	09/12/12 22:32	1
1,2-Dichloroethane	0.50	U	0.50	0.0044	mg/L		09/11/12 22:02	09/12/12 22:32	1
2-Butanone (MEK)	0.32	J	5.0	0.012	mg/L		09/11/12 22:02	09/12/12 22:32	1
Benzene	0.50	U	0.50	0.0026	mg/L		09/11/12 22:02	09/12/12 22:32	1
Carbon tetrachloride	0.50	U	0.50	0.0026	mg/L		09/11/12 22:02	09/12/12 22:32	1
Chlorobenzene	0.50	U	0.50	0.0030	mg/L		09/11/12 22:02	09/12/12 22:32	1
Chloroform	0.50	U	0.50	0.0032	mg/L		09/11/12 22:02	09/12/12 22:32	1
Tetrachloroethene	0.50	U	0.50	0.0060	mg/L		09/11/12 22:02	09/12/12 22:32	1
Trichloroethene	0.50	U	0.50	0.0034	mg/L		09/11/12 22:02	09/12/12 22:32	1
Vinyl chloride	0.50	U	0.50	0.0044	mg/L		09/11/12 22:02	09/12/12 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		39 - 128	09/11/12 22:02	09/12/12 22:32	1
4-Bromofluorobenzene (Surr)	76		26 - 141	09/11/12 22:02	09/12/12 22:32	1
Toluene-d8 (Surr)	72		33 - 134	09/11/12 22:02	09/12/12 22:32	1
Dibromofluoromethane (Surr)	89		30 - 122	09/11/12 22:02	09/12/12 22:32	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	100	U	100	8.5	mg/L		09/07/12 10:23	09/12/12 17:08	20
2,4,5-Trichlorophenol	500	U	500	7.5	mg/L		09/07/12 10:23	09/12/12 17:08	20
2,4,6-Trichlorophenol	500	U	500	20	mg/L		09/07/12 10:23	09/12/12 17:08	20
2,4-Dinitrotoluene	500	U	500	6.8	mg/L		09/07/12 10:23	09/12/12 17:08	20
Hexachlorobenzene	500	U	500	2.5	mg/L		09/07/12 10:23	09/12/12 17:08	20
Hexachlorobutadiene	500	U	500	6.8	mg/L		09/07/12 10:23	09/12/12 17:08	20
Hexachloroethane	500	U	500	20	mg/L		09/07/12 10:23	09/12/12 17:08	20
3 & 4 Methylphenol	1000	U	1000	19	mg/L		09/07/12 10:23	09/12/12 17:08	20
2-Methylphenol	100	U	100	20	mg/L		09/07/12 10:23	09/12/12 17:08	20
Nitrobenzene	100	U	100	1.0	mg/L		09/07/12 10:23	09/12/12 17:08	20
Pentachlorophenol	1000	U	1000	60	mg/L		09/07/12 10:23	09/12/12 17:08	20
Pyridine	500	U	500	8.8	mg/L		09/07/12 10:23	09/12/12 17:08	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		27 - 110	09/07/12 10:23	09/12/12 17:08	20
2-Fluorophenol (Surr)	76		10 - 110	09/07/12 10:23	09/12/12 17:08	20
2,4,6-Tribromophenol (Surr)	23		15 - 110	09/07/12 10:23	09/12/12 17:08	20
Nitrobenzene-d5 (Surr)	83		27 - 110	09/07/12 10:23	09/12/12 17:08	20
Phenol-d5 (Surr)	72		20 - 110	09/07/12 10:23	09/12/12 17:08	20
Terphenyl-d14 (Surr)	78		38 - 110	09/07/12 10:23	09/12/12 17:08	20

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	9300	U	9300	1800	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1221	9300	U	9300	2100	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1232	9300	U	9300	1600	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1242	9300	U	9300	2700	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1248	9300	U	9300	1900	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1254	9300	U	9300	1100	ug/Kg		09/04/12 15:44	09/05/12 12:38	10
Aroclor-1260	9300	U	9300	1200	ug/Kg		09/04/12 15:44	09/05/12 12:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		29 - 173	09/04/12 15:44	09/05/12 12:38	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-D03-082912

Lab Sample ID: 240-14741-4

Date Collected: 08/29/12 15:10

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	13 - 185	09/04/12 15:44	09/05/12 12:38	10

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.30	mg/L		09/07/12 08:34	09/10/12 13:21	1
Barium	4.6	J B	10	0.071	mg/L		09/07/12 08:34	09/10/12 13:21	1
Cadmium	0.66		0.10	0.036	mg/L		09/07/12 08:34	09/10/12 13:21	1
Chromium	0.50		0.50	0.20	mg/L		09/07/12 08:34	09/10/12 13:21	1
Lead	8.9		0.50	0.19	mg/L		09/07/12 08:34	09/10/12 13:21	1
Selenium	0.50	U	0.50	0.45	mg/L		09/07/12 08:34	09/10/12 13:21	1
Silver	0.50	U	0.50	0.10	mg/L		09/07/12 08:34	09/10/12 13:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	U	0.033	0.015	mg/L		09/07/12 11:25	09/07/12 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/07/12 07:41	1
pH	6.0	HF			SU			09/01/12 12:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-I01-082912

Lab Sample ID: 240-14741-7

Date Collected: 08/29/12 13:50

Matrix: Solid

Date Received: 08/30/12 17:28

Percent Solids: 65.3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	250	U	250	160	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1221	250	U	250	120	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1232	250	U	250	110	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1242	250	U	250	100	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1248	250	U	250	130	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1254	250	U	250	130	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5
Aroclor-1260	430		250	130	ug/Kg	✱	09/04/12 11:36	09/06/12 10:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		29 - 151	09/04/12 11:36	09/06/12 10:35	5
DCB Decachlorobiphenyl	66		14 - 163	09/04/12 11:36	09/06/12 10:35	5

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-I01-082912-DP

Lab Sample ID: 240-14741-8

Date Collected: 08/29/12 13:50

Matrix: Solid

Date Received: 08/30/12 17:28

Percent Solids: 59.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	560	U	560	360	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1221	560	U	560	270	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1232	560	U	560	240	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1242	560	U	560	220	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1248	560	U	560	290	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1254	560	U	560	290	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Aroclor-1260	830		560	290	ug/Kg	✱	09/04/12 11:36	09/06/12 10:50	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	X	29 - 151				09/04/12 11:36	09/06/12 10:50	10
DCB Decachlorobiphenyl	0	X	14 - 163				09/04/12 11:36	09/06/12 10:50	10

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-P01-082912

Lab Sample ID: 240-14741-9

Date Collected: 08/29/12 13:33

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.10	U	0.10	0.038	mg/L			09/07/12 20:08	4
1,2-Dichloroethane	0.10	U	0.10	0.044	mg/L			09/07/12 20:08	4
2-Butanone (MEK)	1.0	U	1.0	0.11	mg/L			09/07/12 20:08	4
Benzene	0.10	U	0.10	0.026	mg/L			09/07/12 20:08	4
Carbon tetrachloride	0.10	U	0.10	0.026	mg/L			09/07/12 20:08	4
Chlorobenzene	0.10	U	0.10	0.030	mg/L			09/07/12 20:08	4
Chloroform	0.10	U	0.10	0.032	mg/L			09/07/12 20:08	4
Tetrachloroethene	0.10	U	0.10	0.058	mg/L			09/07/12 20:08	4
Trichloroethene	0.10	U	0.10	0.034	mg/L			09/07/12 20:08	4
Vinyl chloride	0.10	U	0.10	0.044	mg/L			09/07/12 20:08	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 121		09/07/12 20:08	4
4-Bromofluorobenzene (Surr)	93		70 - 124		09/07/12 20:08	4
Toluene-d8 (Surr)	106		90 - 115		09/07/12 20:08	4
Dibromofluoromethane (Surr)	118		84 - 128		09/07/12 20:08	4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.80	U	0.80	0.068	mg/L		09/07/12 07:50	09/10/12 18:09	50
2,4,5-Trichlorophenol	4.0	U	4.0	0.060	mg/L		09/07/12 07:50	09/10/12 18:09	50
2,4,6-Trichlorophenol	4.0	U	4.0	0.16	mg/L		09/07/12 07:50	09/10/12 18:09	50
2,4-Dinitrotoluene	4.0	U	4.0	0.054	mg/L		09/07/12 07:50	09/10/12 18:09	50
Hexachlorobenzene	4.0	U	4.0	0.020	mg/L		09/07/12 07:50	09/10/12 18:09	50
Hexachlorobutadiene	4.0	U	4.0	0.054	mg/L		09/07/12 07:50	09/10/12 18:09	50
Hexachloroethane	4.0	U	4.0	0.16	mg/L		09/07/12 07:50	09/10/12 18:09	50
3 & 4 Methylphenol	8.0	U	8.0	0.15	mg/L		09/07/12 07:50	09/10/12 18:09	50
2-Methylphenol	0.80	U	0.80	0.16	mg/L		09/07/12 07:50	09/10/12 18:09	50
Nitrobenzene	0.80	U	0.80	0.0080	mg/L		09/07/12 07:50	09/10/12 18:09	50
Pentachlorophenol	8.0	U	8.0	0.48	mg/L		09/07/12 07:50	09/10/12 18:09	50
Pyridine	4.0	U	4.0	0.070	mg/L		09/07/12 07:50	09/10/12 18:09	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	X	30 - 110	09/07/12 07:50	09/10/12 18:09	50
2-Fluorophenol (Surr)	0	X	20 - 110	09/07/12 07:50	09/10/12 18:09	50
2,4,6-Tribromophenol (Surr)	0	X	23 - 110	09/07/12 07:50	09/10/12 18:09	50
Nitrobenzene-d5 (Surr)	0	X	28 - 110	09/07/12 07:50	09/10/12 18:09	50
Phenol-d5 (Surr)	0	X	21 - 110	09/07/12 07:50	09/10/12 18:09	50
Terphenyl-d14 (Surr)	0	X	48 - 110	09/07/12 07:50	09/10/12 18:09	50

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.013	mg/L		09/07/12 08:18	09/10/12 12:19	1
Barium	0.031	JB U	40	0.0027	mg/L		09/07/12 08:18	09/10/12 12:19	1
Cadmium	0.40	U	0.40	0.0026	mg/L		09/07/12 08:18	09/10/12 12:19	1
Chromium	0.027	J	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:19	1
Lead	0.026	J	2.0	0.0076	mg/L		09/07/12 08:18	09/10/12 12:19	1
Selenium	0.16	JB	1.0	0.016	mg/L		09/07/12 08:18	09/10/12 12:19	1
Silver	2.0	U	2.0	0.0088	mg/L		09/07/12 08:18	09/10/12 12:19	1

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10/11/12

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-P01-082912

Lab Sample ID: 240-14741-9

Date Collected: 08/29/12 13:33

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		09/07/12 14:45	09/10/12 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/06/12 08:57	1
pH	11	HF			SU			09/01/12 12:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-S01-082912

Lab Sample ID: 240-14741-10

Date Collected: 08/29/12 14:50

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.050	U	0.050	0.019	mg/L			09/07/12 20:34	2
1,2-Dichloroethane	0.050	U	0.050	0.022	mg/L			09/07/12 20:34	2
2-Butanone (MEK)	3.7		0.50	0.057	mg/L			09/07/12 20:34	2
Benzene	0.050	U	0.050	0.013	mg/L			09/07/12 20:34	2
Carbon tetrachloride	0.050	U	0.050	0.013	mg/L			09/07/12 20:34	2
Chlorobenzene	0.050	U	0.050	0.015	mg/L			09/07/12 20:34	2
Chloroform	0.050	U	0.050	0.016	mg/L			09/07/12 20:34	2
Tetrachloroethene	0.050	U	0.050	0.029	mg/L			09/07/12 20:34	2
Trichloroethene	0.050	U	0.050	0.017	mg/L			09/07/12 20:34	2
Vinyl chloride	0.050	U	0.050	0.022	mg/L			09/07/12 20:34	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 121		09/07/12 20:34	2
4-Bromofluorobenzene (Surr)	99		70 - 124		09/07/12 20:34	2
Toluene-d8 (Surr)	106		90 - 115		09/07/12 20:34	2
Dibromofluoromethane (Surr)	121		84 - 128		09/07/12 20:34	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.20	U	0.20	0.017	mg/L		09/07/12 07:50	09/10/12 18:48	50
2,4,5-Trichlorophenol	1.0	U	1.0	0.015	mg/L		09/07/12 07:50	09/10/12 18:48	50
2,4,6-Trichlorophenol	1.0	U	1.0	0.040	mg/L		09/07/12 07:50	09/10/12 18:48	50
2,4-Dinitrotoluene	1.0	U	1.0	0.014	mg/L		09/07/12 07:50	09/10/12 18:48	50
Hexachlorobenzene	1.0	U	1.0	0.0050	mg/L		09/07/12 07:50	09/10/12 18:48	50
Hexachlorobutadiene	1.0	U	1.0	0.014	mg/L		09/07/12 07:50	09/10/12 18:48	50
Hexachloroethane	1.0	U	1.0	0.040	mg/L		09/07/12 07:50	09/10/12 18:48	50
3 & 4 Methylphenol	2.0	U	2.0	0.038	mg/L		09/07/12 07:50	09/10/12 18:48	50
2-Methylphenol	0.20	U	0.20	0.040	mg/L		09/07/12 07:50	09/10/12 18:48	50
Nitrobenzene	0.20	U	0.20	0.0020	mg/L		09/07/12 07:50	09/10/12 18:48	50
Pentachlorophenol	2.0	U	2.0	0.12	mg/L		09/07/12 07:50	09/10/12 18:48	50
Pyridine	1.0	U	1.0	0.018	mg/L		09/07/12 07:50	09/10/12 18:48	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		30 - 110	09/07/12 07:50	09/10/12 18:48	50
2-Fluorophenol (Surr)	0	X	20 - 110	09/07/12 07:50	09/10/12 18:48	50
2,4,6-Tribromophenol (Surr)	61		23 - 110	09/07/12 07:50	09/10/12 18:48	50
Nitrobenzene-d5 (Surr)	0	X	28 - 110	09/07/12 07:50	09/10/12 18:48	50
Phenol-d5 (Surr)	0	X	21 - 110	09/07/12 07:50	09/10/12 18:48	50
Terphenyl-d14 (Surr)	80		48 - 110	09/07/12 07:50	09/10/12 18:48	50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	950	U	950	180	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1221	950	U	950	210	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1232	950	U	950	160	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1242	950	U	950	280	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1248	950	U	950	190	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1254	950	U	950	110	ug/Kg		09/04/12 15:44	09/05/12 12:52	1
Aroclor-1260	950	U	950	120	ug/Kg		09/04/12 15:44	09/05/12 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	118		29 - 173	09/04/12 15:44	09/05/12 12:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-S01-082912

Lab Sample ID: 240-14741-10

Date Collected: 08/29/12 14:50

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		13 - 185	09/04/12 15:44	09/05/12 12:52	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.0032	mg/L		09/07/12 08:18	09/10/12 12:25	1
Barium	0.0058	J-B U	10	0.00067	mg/L		09/07/12 08:18	09/10/12 12:25	1
Cadmium	0.10	U	0.10	0.00066	mg/L		09/07/12 08:18	09/10/12 12:25	1
Chromium	0.0035	J	0.50	0.0022	mg/L		09/07/12 08:18	09/10/12 12:25	1
Lead	0.0094	J	0.50	0.0019	mg/L		09/07/12 08:18	09/10/12 12:25	1
Selenium	0.016	J-B U	0.25	0.0041	mg/L		09/07/12 08:18	09/10/12 12:25	1
Silver	0.50	U	0.50	0.0022	mg/L		09/07/12 08:18	09/10/12 12:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		09/07/12 14:45	09/10/12 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180		1.00	1.00	Degrees F			09/07/12 08:05	1
pH	6.0	HF			SU			09/01/12 12:33	1

28
10/11/12

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-T01-082912

Lab Sample ID: 240-14741-11

Date Collected: 08/29/12 13:44

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	990	U	990	190	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1221	990	U	990	220	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1232	990	U	990	170	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1242	990	U	990	290	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1248	990	U	990	200	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1254	990	U	990	120	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Aroclor-1260	3900		990	130	ug/Kg		09/04/12 15:44	09/05/12 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		29 - 173				09/04/12 15:44	09/05/12 13:05	1
DCB Decachlorobiphenyl	113		13 - 185				09/04/12 15:44	09/05/12 13:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Plastech - 1942

TestAmerica Job ID: 240-14741-1

Client Sample ID: PL-T01-082912-DP

Lab Sample ID: 240-14741-12

Date Collected: 08/29/12 13:44

Matrix: Waste

Date Received: 08/30/12 17:28

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	1000	U	1000	190	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1221	1000	U	1000	220	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1232	1000	U	1000	170	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1242	1000	U	1000	290	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1248	1000	U	1000	200	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1254	1000	U	1000	120	ug/Kg		09/04/12 15:44	09/05/12 13:19	1
Aroclor-1260	3900		1000	130	ug/Kg		09/04/12 15:44	09/05/12 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		29 - 173	09/04/12 15:44	09/05/12 13:19	1
DCB Decachlorobiphenyl	110		13 - 185	09/04/12 15:44	09/05/12 13:19	1